

THE FRENCH REPUBLIC

National Patent and
Trademark Institute

Paris

11. Publication number: **2,224,537**

(Only to be used in copying orders)

UTILITY CERTIFICATE

21. Number 74 27045

22. Manufacturing Process for Cooling Product

23. International Classification: **C 09 K 3/06; A 61 K 7/00**22. Filing Date: **July 26, 1974, 3:45 P.M.**33, 32, 31. **Priority Invoked:**24. Date for Availability of
Application to the Public: **B.O.P.I., "Lists," Number 44, October 31, 1974**25. Date for Availability of Utility
Certificate to the Public: **B.O.P.I., "Lists," Number 7, February 13, 1976**71. **Applicant:** **PROLOMAG ANSTALT, which is
domiciled within the Principality of Liechtenstein**26. **Inventor:**73. **Registrant:** *Same as 71*74. **Representative:** **A. Roman, Consulting Engineer**

2224537

The purpose of the present invention consists of a process for manufacturing a cooling product which is intended to be used industrially for any applications where cooling of any absorbent or non-absorbent surface may be required.

The state of the art includes use of compositions for providing cooling as well as cooling capability for products or even for surfaces, although agents which are being used may create hazards as a result of contact or even as a result of accidental absorption.

The process in accordance with the invention eliminates these disadvantages and allows obtaining of a harmless although highly active composition which can be used either industrially or in order to create an impression of coolness as a result of its being incorporated within a lotion, for example.

This product consists of a mixture of:

1) Ethyl alcohol	60
2) Distilled water	27.7
3) Crystallized camphor	2
4) Codex menthol	1
5) Potassium iodide	0.5
6) Sodium chloride	3.20
7) Calcium chloride	5.60

The aforementioned products are successively introduced into an alcohol-water mixture, and they undergo mixing until a perfect mixture is obtained by means of mixing equipment representing the state of the art.

It is sufficient for an absorbent cover to be placed around a bottle or a given volume and to impregnate it with the product so as to reduce the temperature within said bottle to a significant extent.

It is also possible to apply this product to the body in order to cool oneself, or to mix it with any type of lotion, such as an *eau de toilette*, or even with water intended for baths or showers.

Quantities, proportions, and types of agents which are to be used may vary within the limit of equivalent products; however, as is likewise true with respect to applications, without the general concept of the previously described invention being altered as a result thereof.

2224537**CLAIMS**

1. Manufacturing process for a cooling product intended for industrial and domestic use, which is characterized by a composition based upon ethyl alcohol, distilled water, crystallized camphor, codex menthol, potassium iodide, sodium chloride, and calcium chloride.
2. Manufacturing process according to Claim Number 1, characterized by cold-mixing of the aforementioned agents, with mixers intended to provide constant stirring of the mixture which can be diluted within any fluid or with which any medium can be impregnated.
3. Products in accordance with the manufacturing process according to Claims 1 and 2, characterized by the fact that they are to include cooling agents consisting of mixed menthol, alcohol, and camphors, along with a diluting agent for spreading, so as to allow impregnation of the respective medium, and retardants which shall prolong cooling effects and delay evaporation, such as potassium iodide, and chlorides of sodium and calcium.